Substitute for form 1449A/PTO & 1449B/PTO

THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/680,287
Filing Date	October 8, 2003
First Named Inventor	G. Roger Askew et al.
Examiner Name	H. Hama
Attorney Docket Number	032796-179

USPTO JUN 16 2005 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS: Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
GH	WO 98/46743	A	PCT	10-22-1998				X			
	WO 01/77327	A	PCT	10-18-2001				X			
	WO 01/98508	A	PCT	12-27-2001				X			
↓	WO 02/092000	A	PCT	11-21-2002				X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
GH	Y. Gong et al., "Osteopororis-Pseudoglioma Syndrome, a Disorder Affecting Skeletal Strength and Vision, is Assigned to Chromosome Region 11Q12-13," *American Journal of Human Genetics* (July 1996) pp. 146-151, 59:1, American Society of Human Genetics, Chicago, Illinois, USA

Examiner Signature		Date Considered	1/18/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Sheet 1 of 1

Form PTO-1449

U.S. Department of Commerce

Date Filed: November 7, 2005

OIPE IAP45 NOV 07 2005 PATENT & TRADEMARK OFFICE

DOCKET NO. 47038.0179	APPLN. NO. 10/680,287
APPLICANT: G. Roger Askew et al.	
FILING DATE: October 8, 2003	GROUP 1632

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract

OTHER DOCUMENT(S) *(Including Author, Title, Date, Pertinent Pages, etc.)*

9H	CA	Johnson et al., *"The Gene for High Bone Mass,"* Endocrinologist, vol. 12, no. 5, 2002, pp 445-453, Lippincott Williams & Wilkins, Philadelphia PA
	CB	~~Search Report issued in European Patent Application EP 02746370.~~

Examiner Signature: [signature] **Date Considered:** 11/8/06

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PTO-1449.doc

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.	APPLICATION NO.
032796-179	10/680,287
APPLICANT: G. Roger Askew et al.	
FILING DATE: October 8, 2003	GROUP: ~~Unassigned~~ 1632

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
RH	5,691,153		Robert R. RECKER et al.	
	6,545,137	B1	Todd et al.	04-08-2003
↓	6,555,654	B1	Todd et al.	04-29-2003

COPY

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes	Translation No
RH	WO 99/47529		PCT	09-23-1999	X	
	WO 97/12903		PCT	04-10-1997	X	
	WO 99/09054		PCT	02-25-1999	X	
↓	WO 98/46743		PCT	10-22-1998		

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RH	Annex Form PCT/ISA/206 Communication Relating to the Results of the Partial International Search attached to Invitation to Pay Additional Fees dated May 7, 2001 in PCT/US00/16951 filed on June 21, 2000
	A. COURSEAUX *et al.*, *"Homo Sapiens Chromosome 11 Clone BAC67-M-5 MAP 11q13, *** Sequencing in Progress ***, 3 Ordered Pieces"*, Database EM_HTG, E.B.I., Hinxton, U.K., Accession Number: AC024123, March 2, 2000, XP002165276, **Abstract**
	D.L. KOLLER *et al.*, *"Linkage of a QTL Contributing to Normal Variation in Bone Mineral Density to Chromosome 11q12-13"*, J. Bone Miner. Res., Vol. 13, No. 12, pp. 1903-1908, December 1998, Blackwell Science, Inc., American Society for Bone and Mineral Research, USA
	Michael P. WHYTE, *"Searching for Gene Defects that Cause High Bone Mass"*, Am. J. Hum. Genet., Vol. 60; No. 6, pp. 1309-1311, June 1997, The American Society of Human Genetics, USA
	Marion TROMMSDORFF *et al.*, *"Interaction of Cytosolic Adaptor Proteins* with Neuronal Apolipoprotein E Receptors and the Amyloid Precursor Protein", J. Biol. Chem., Vol. 273, No. 50, pp. 33556-33560, December 1998, The American Society for Biochemistry and Molecular Biology, Inc., USA
	G. SCHNEIDER *et al.*, *"Formation of Focal Adhesions by Osteoblasts Adhering to Different Substrata"*, Experimental Cell Research, Vol. 214, No. 1, pp. 264-269, September 1994, Academic Press, Inc., USA
	Frederick M. PAVALKO *et al.*, *"Fluid Shear-Induced Mechanical Signaling in MC3T3-E1 Osteoblasts Requires Cytoskeleton-Integrin Interactions"*, Am. J. Physiol., Vol. 275, No. 6 (Pt1), pp. C1591-1601, December 1998, The American Physiological Society, USA
	Mark L. Johnson *et al.*, *"Linkage of a Gene Causing High Bone Mass to Human Chromosome 11 (11q12-13)"*, Am. J. Hum. Genet., Vol. 60, No. 6, pp. 1326-1332, June 1997, The American Society of Human Genetics, USA
↓	Dong-Ho KIM *et al.*, *"A New Low Density Lipoprotein Receptor Related Protein, LRP5, is Expressed in Hepatocytes and Adrenal Cortex, and Recognizes Apolipoprotein E"*, J. Biochem., Vol. 124, No. 6, pp. 1072-1076, December 1998, The Japanese Biochemical Society, JAPAN

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
gff	JOHNSON ET AL., Journal of Bone and Mineral Research, 11 (Supplement 1):S255, abstract S661, August 1996
	NAKAGAWA ET AL., American Journal of Human Genetics, 63:547-56 (1998)
	HEY ET AL., *"Cloning of a novel member of the low-density lipoprotein receptor family"*, Gene 216: 103-11 (1998)
	DONG ET AL., Biochemical and Biophysical Research Communication, 251: 784-90 (1998)
	BOLLAG ET AL., *"Osteoblast-derived cells express functional glucose-dependent insulinotropic peptide receptors"*, 2000, Endocrinology, Vol. 141, pp. 1228-1235
	ZIEGLER ET AL., *"Glucocorticoid-induced osteoporosis: Prevention and treatment"*, 1998, Steroids, Vol. 63, pp. 344-348
	KUNDU ET AL.., *"Role of Polypeptides in the treatment and diagnosis of osteoporosis,* 1999, Peptides, Vol. 20, pp. 523-537
	RODAN ET AL., *"Therapeutic approaches to bone diseases,* 2000, Science, Vol. 289, pp. 1508-1514
	BAFICO ET AL., *"Novel mechanism of Wnt signalling inhibition mediated by Dickopf-1 interaction with lrp6/Arrow"*, Nature Cell Biology, July 2001, Vol. 3, pages 683-686
	GONG ET AL.,*"LDL receptor-related protein 5 (LRP5) affects bone accrual and eye development"*, Cell, Vol. 107, pages 513-523, November 16, 2001, Cell Press
	MITCHELL ET AL., *"Functional analysis of secreted and transmembrane proteins critical to mouse development"*, Nature Genetics, July 2001, Vol. 28, pages 241-249
	PINSON ET AL., *"An LDL-receptor-related protein mediates Wnt signalling in mice"*, Nature, September 28, 2000, Vol. 407, pages 535-538
	TAMAI ET AL., *"LDL-receptor-related proteins in Wnt signal transduction"*, Nature, Vol. 407, pages 530-535, September 28, 2000, MacMillian Magazines Ltd.
	WEHRLI ET AL., *"Arrow encodes an LDL-receptor-related protein essential for Wingless signalling"*, Nature, September 28, 2000, Vol. 407, pages 527-530

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9H	RANDALL D. LITTLE ET AL., *"A mutation in the LDL Receptor-Related Protein 5 Gene Results in the Autososomal Dominant High-Bone-Mass Trait"*, The American Journal of Human Genetics, Vol. 70, No. 1, pages 513-523, January 2002, by The University of Chicago Press. Chicago
↓	JULIAN ZIELENSKI, *"Genotype and Phenotype in Cystic Fibrosis"*, Respiration, Vol. 67, pages 117-133, 2000, by S. Karger AG, Basel
↓	Web Page, Abstract for Research News, *"Researchers Discover 'Thermostat' that Regulates Bone Density"*, Howard Hughes Medical Institute, November 16, 2001, Chevy Chase, Maryland. At http://www.hhmi.org/news/warman.html.

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